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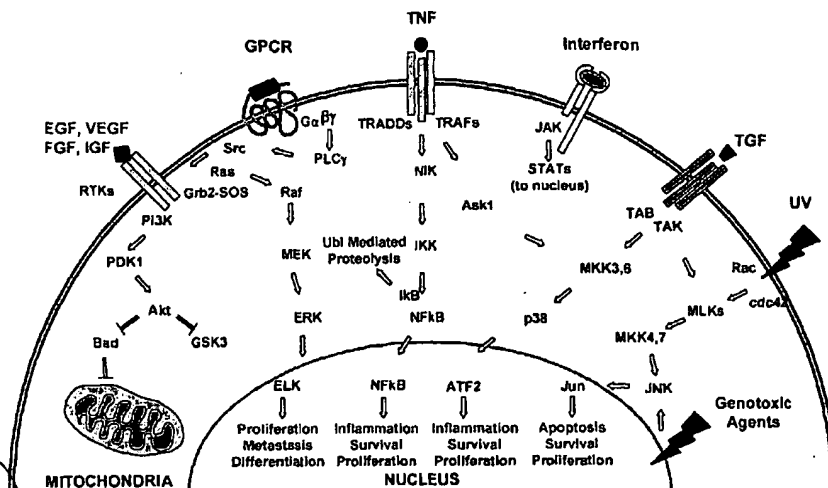
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(54) Title: **PARALLEL INDUCIBLE CELL-BASED KINASE SCREEN**



(57) Abstract: A parallel inducible cell-based kinase screen (PICKS) includes a plurality of cells that express a kinase gene under the control of an inducer and a reporter gene, wherein the cells are derived from a single cell line, and wherein the reporter gene generates a signal in response to catalytic activity or inhibition of the expressed kinases. Particularly preferred systems include cells expressing kinases from a single kinase signaling pathway, kinases from a kinase family, and/or kinases from various different kinase signaling pathways. Consequently, contemplated systems provide a platform for screening for novel kinase inhibitors, inhibition specificity of particular kinase inhibitors, and for analysis of inter-pathway and/or intra-pathway inhibition of a kinase inhibitor.

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